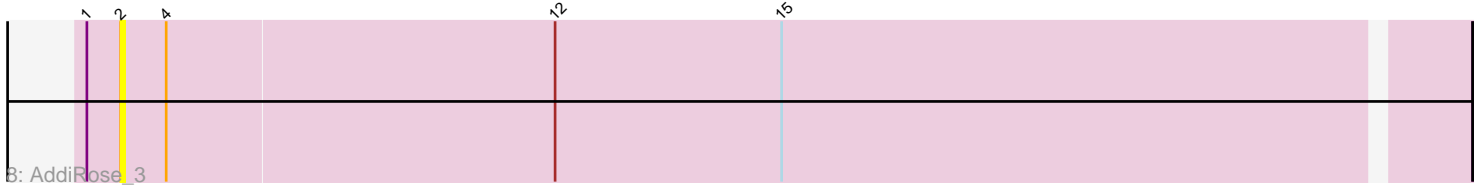
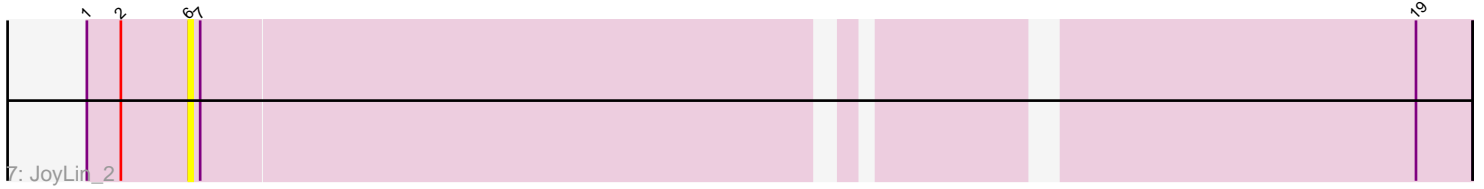
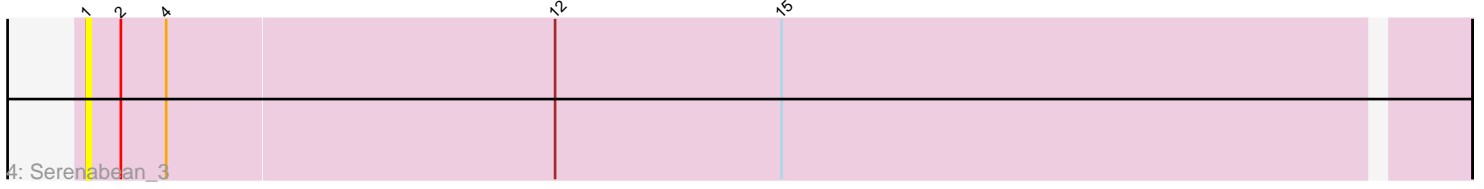
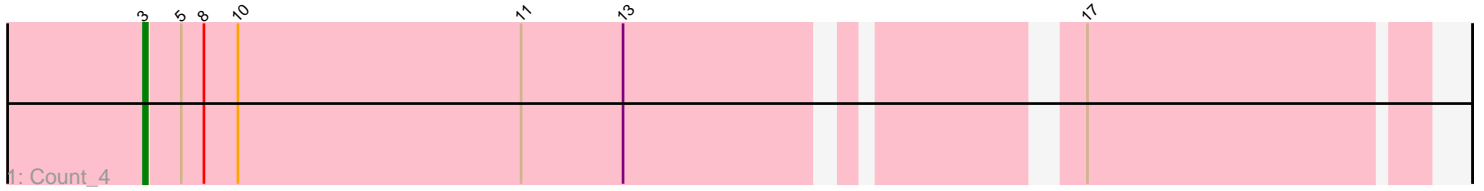


Pham 173549



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 173549 Report

This analysis was run 11/02/24 on database version 579.

Pham number 173549 has 10 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Count_4
- Track 2 : Camille_3
- Track 3 : Damascus_3, DizzyRudy_3
- Track 4 : Serenabean_3
- Track 5 : Eevee_2, Yotsuba_2
- Track 6 : Pippin15_2
- Track 7 : JoyLin_2
- Track 8 : AddiRose_3

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 2, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AddiRose_3, Camille_3, Damascus_3, DizzyRudy_3, Eevee_2, Pippin15_2, Yotsuba_2,

Genes that have the "Most Annotated" start but do not call it:

- JoyLin_2, Serenabean_3,

Genes that do not have the "Most Annotated" start:

- Count_4,

Summary by start number:

Start 1:

- Found in 5 of 10 (50.0%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Serenabean_3 (JA),

Start 2:

- Found in 9 of 10 (90.0%) of genes in pham

- Manual Annotations of this start: 3 of 4
- Called 77.8% of time when present
- Phage (with cluster) where this start called: AddiRose_3 (JA), Camille_3 (EL), Damascus_3 (EL), DizzyRudy_3 (EL), Eevee_2 (JA), Pippin15_2 (JA), Yotsuba_2 (JA),

Start 3:

- Found in 3 of 10 (30.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Count_4 (EL),

Start 6:

- Found in 3 of 10 (30.0%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: JoyLin_2 (JA),

Summary by clusters:

There are 2 clusters represented in this pham: EL, JA,

Info for manual annotations of cluster EL:

- Start number 2 was manually annotated 3 times for cluster EL.
- Start number 3 was manually annotated 1 time for cluster EL.

Gene Information:

Gene: AddiRose_3 Start: 1402, Stop: 1752, Start Num: 2

Candidate Starts for AddiRose_3:

(1, 1393), (Start: 2 @1402 has 3 MA's), (4, 1414), (12, 1516), (15, 1576),

Gene: Camille_3 Start: 1182, Stop: 1502, Start Num: 2

Candidate Starts for Camille_3:

(Start: 2 @1182 has 3 MA's), (9, 1206), (14, 1317), (16, 1386), (18, 1428),

Gene: Count_4 Start: 1530, Stop: 1844, Start Num: 3

Candidate Starts for Count_4:

(Start: 3 @1530 has 1 MA's), (5, 1539), (8, 1545), (10, 1554), (11, 1629), (13, 1656), (17, 1758),

Gene: Damascus_3 Start: 1159, Stop: 1485, Start Num: 2

Candidate Starts for Damascus_3:

(Start: 2 @1159 has 3 MA's), (Start: 3 @1165 has 1 MA's), (5, 1174), (14, 1294), (16, 1363),

Gene: DizzyRudy_3 Start: 1159, Stop: 1485, Start Num: 2

Candidate Starts for DizzyRudy_3:

(Start: 2 @1159 has 3 MA's), (Start: 3 @1165 has 1 MA's), (5, 1174), (14, 1294), (16, 1363),

Gene: Eevee_2 Start: 964, Stop: 1299, Start Num: 2

Candidate Starts for Eevee_2:

(1, 955), (Start: 2 @964 has 3 MA's), (6, 982), (7, 985), (19, 1285),

Gene: JoyLin_2 Start: 982, Stop: 1299, Start Num: 6

Candidate Starts for JoyLin_2:

(1, 955), (Start: 2 @964 has 3 MA's), (6, 982), (7, 985), (19, 1285),

Gene: Pippin15_2 Start: 982, Stop: 1317, Start Num: 2

Candidate Starts for Pippin15_2:

(Start: 2 @982 has 3 MA's), (4, 994), (19, 1303),

Gene: Serenabeen_3 Start: 1392, Stop: 1751, Start Num: 1

Candidate Starts for Serenabeen_3:

(1, 1392), (Start: 2 @1401 has 3 MA's), (4, 1413), (12, 1515), (15, 1575),

Gene: Yotsuba_2 Start: 964, Stop: 1299, Start Num: 2

Candidate Starts for Yotsuba_2:

(1, 955), (Start: 2 @964 has 3 MA's), (6, 982), (7, 985), (19, 1285),